

STATE OF IDAHO
Fish and Game Department
John R. Woodworth, Director

Quarterly Project Progress Report
REINTRODUCTION OF SALMON INTO PORTIONS
OF THE CLEARWATER RIVER DRAINAGE
July 1, 1969 to June 30, 1970

Project No. 160.5B1

Contract No. 14-17-0001-2046

Period Covered: April 1, 1970 to June 30, 1970

Columbia River Fisheries Development Program

July 22, 1970

REINTRODUCTION OF SPRING- AND SUMMER-RUN CHINOOK INTO THE SELWAY RIVER, CLEARWATER RIVER DRAINAGE

Abstract

Indian Creek, Running Creek, and Fenn hatching channels were being used during this quarter. Enumeration and transplantation of fry occurred only at Indian Creek hatching channel.

Report of Progress

Project Phase C: Observing the success of fry emergence

Traps were installed at Indian Creek hatching channel on April 7, in anticipation of fry emergence. No fry were enumerated from the channel until May 13, approximately one month later than previous years. This late emergence was attributed to the early cold weather in the fall of 1969 which reduced development of the sac fry. Trapping was not terminated by the end of the quarter but all fry transplants had been completed. A listing of fry transplants from Indian Creek hatching channel is contained in Table 1.

Running Creek hatching channel was checked in late April and numerous sac fry were found in the intragravel environment. Survival appeared high to the sac fry stage. The channel was checked periodically by a local resident to insure proper flows through the channel.

Table 1. Indian Creek Hatching Channel – Spring Chinook Fry Transplants, 1970.

Release Dates	Release Site	Number of Fry
May 20	Selway R. at Magruder R.S.	25,800
June 3	Deep Cr. at Scimitar Cr.	15,280
June 3	Deep cr. at Hell's Half Bridge	16,160
June 10	Selway R. at Beaver Point	15,825
June 10	White Cap Cr. at Paradise G.S.	15,300
June 24	Storm Cr. at Storm Cr. Flat	76,160
June 24	White Cap Cr. at Cooper Flat	76,160
June 24	Selway R. at Beaver Point	13,680
June 24	Selway R. at Magruder R.S.	13,680
May-June	Selway R. at channel	<u>42,267</u>
Approximate Total		310,312

Fenn hatching channel had water backed into the channel during spring run-off. This caused a pooling effect and the gravel soon became covered with debris. A subsequent intragravel investigation after recession of water from the channel did not produce any evidence of fry mortality. The time between siltation and investigation may have been too great for an adequate analysis.

Project Phase D: Upstream-migrating fish counted at Lewiston Dam

A total of 1,076 adult spring chinook salmon were counted over Lewiston Dam during May and June, 1970. This total is less than 50 percent of the 2,421 chinook counted last year at this time. The majority of these returnees are probably a direct result of eyed egg plants in the Selway River hatching channels.

REINTRODUCTION; OF COHO SALMON INTO THE
CLEARWATER RIVER DRAINAGE

Abstract

This segment of the project was inactive during the quarter.

Prepared by:

Steven Hoss
Fishery Biologist

Approved by:

John R. Woodworth, Director

James C. Simpson, Chief
Fisheries Division

Jerry Mallet, Anadromous Fishery
Supervisor